	Application No.	Applicant(s)	
Notice of Allowability	09/992,084	JIANG ET AL.	
	Examiner	Art Unit	
	Daniel S. Metzmaier	1712	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT I of the Office or upon petition by the applicant. See 37 CFR 1.31	S (OR REMAINS) CLOSED in this ap 5) or other appropriate communication RIGHTS. This application is subject to the communication is subject to the community of the community and the community of the community o	plication. If not include will be mailed in due	led course. THIS
1. This communication is responsive to <u>amendments file 2/4</u>	4/2005 and the interview of 2/17/2005	į.	
2. The allowed claim(s) is/are 30-41 and 51-60.			
3. \boxtimes The drawings filed on <u>10 September 2004</u> are accepted by	by the Examiner.	-	
4. Acknowledgment is made of a claim for foreign priority to a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 1. International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be submined in the part of the priority of the Notice of Draftspering including changes required by the Notice of Draftspering including changes required by the attached Examined Paper No./Mail Date (b) Including changes required by the attached Examined Paper No./Mail Date Identifying Indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in 7. DEPOSIT OF and/or INFORMATION about the deposition of the paper No. Information and the paper No. Informa	ve been received. ve been received in Application No ocuments have been received in this " of this communication to file a reply MENT of this application. mitted. Note the attached EXAMINER ves reason(s) why the oath or declara ust be submitted. rson's Patent Drawing Review (PTO r's Amendment / Comment or in the C 1.84(c)) should be written on the drawin the header according to 37 CFR 1.121(osit of BIOLOGICAL MATERIAL r	national stage application of the front (not the d). must be submitted.	equirements NOTICE OF
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	Paper No./Mail Da	(PTO-413), te <u>2/17/05</u> . ment/Comment	
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EXAMINER'S AMENDMENT

Claims 30-41 and 51-60 are allowed.

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Marcella D. Watkins on February 17, 2005.

The application has been amended as follows:

The amendment to the claims begins on page 3 of this paper.

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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1 -- 9 (cancelled).

- 10. (Canceled)
- 11. (Canceled)
- 12-15. (Canceled)
- 16-17. (Canceled)
- 18-29. (Canceled).
- 30. (Currently amended) A method for preparing a second-generation colloid comprising the steps of:
 - (a) providing a colloidal template;
 - (b) infiltrating said colloidal template with polymerizable components;
 - (c) polymerizing said polymerizable components;
 - (d) selectively removing said colloidal template to yield a porous polymer;
 - (e) heating said porous polymer above its glass transition temperature;
 - (f) deforming said porous polymer such that said porous polymer includes nonspherical pores;
 - (g) cooling said porous polymer below its glass transition temperature;
 - (h) depositing a material into the non-spherical pores of said porous polymer so as to form said material into ellipsoidal particles having an aspect ratio between 1.47 and 5.0; and
 - (i) selectively removing said porous polymer to form a second-generation colloid.
- 31. (Original) The method according to claim 30 wherein said colloidal template is an ordered, monodisperse colloid; said porous polymer is an ordered, monodisperse macroporous polymer; and said second-generation colloid is an ordered, monodisperse colloid.

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32. (Original) The method according to claim 31 wherein said second-generation colloid comprises a ceramic material.

- 33. (Original) The method according to claim 31 wherein said second-generation colloid comprises a material selected from the group consisting of alumina, titania and zirconia.
- 34. (Original) The method according to claim 31 wherein said second-generation colloid comprises an inorganic salt.
- 35. (Original) The method according to claim 31 wherein said second-generation colloid comprises a material selected from the group consisting of cadmium sulfide and silver chloride.
- 36. (Original) The method according to claim 31 wherein said second-generation colloid comprises a metal.
- 37. (Original) The method according to claim 31 wherein said second-generation colloid comprises a material selected from the group consisting of nickel and gold.
- 38. (Original) The method according to claim 31 wherein said second-generation colloid comprises a polymer.
- 39. (Original) The method according to claim 31 wherein said second-generation colloid comprises a material selected from the group consisting of poly(p-phenylene vinylene) and polypyrrole.
- 40. (Original) The method according to claim 31 wherein said porous polymer comprises a material selected from the group consisting of poly(methyl methacrylate) and polystyrene.
- 41. (Previously presented) The method according to claim 31 wherein said second-generation colloid comprises oblate particles.
- 42. (Canceled) The method according to claim 31, further comprising the step of deforming said porous polymer so that said second generation colloid comprises ellipsoidal particles.
- 43. (Cancelled).
- 44. (Canceled)
- 45. (Canceled)
- 46. (Canceled)

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47-50. (Canceled)

51. (New) The method according to claim 30 wherein said second-generation colloid comprises a ceramic material.

- 52. (New) The method according to claim 30 wherein said second-generation colloid comprises a material selected from the group consisting of alumina, titania and zirconia.
- 53. (New) The method according to claim 30 wherein said second-generation colloid comprises an inorganic salt.
- 54. (New) The method according to claim 30 wherein said second-generation colloid comprises a material selected from the group consisting of cadmium sulfide and silver chloride.
- 55. (New) The method according to claim 30 wherein said second-generation colloid comprises a metal.
- 56. (New) The method according to claim 30 wherein said second-generation colloid comprises a material selected from the group consisting of nickel and gold.
- 57. (New) The method according to claim 30 wherein said second-generation colloid comprises a polymer.
- 58. (New) The method according to claim 30 wherein said second-generation colloid comprises a material selected from the group consisting of poly(p-phenylene vinylene) and polypyrrole.
- 59. (New) The method according to claim 30 wherein said porous polymer comprises a material selected from the group consisting of poly(methyl methacrylate) and polystyrene.
- 60. (New) The method according to claim 30 wherein said second-generation colloid comprises oblate particles.

Reasons for allowance

2. The following is an examiner's statement of reasons for allowance: attention is directed to paragraph number 9 of the Final Office Action mailed December 1, 2004. The present examiner's amendments cancel the composition claims in favor of the allowance of the method claims indicated as allowable as noted above. The amendment to claim 30 is made to make the claims read more clearly and provide explicit antecedent basis for "said second-generation colloid". The cancellation of claim 42 is made to remove an issue of improper dependency under 37 CFR 1.75(c), as failing to further limit the subject matter of a previous claim.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Daniel S. Metzmaier whose telephone number is (571) 272-1089. The examiner can normally be reached on 9:00 AM to 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Randy P. Gulakowski can be reached on (571) 272-1302. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Daniel S. Metzmaier

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DSM